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Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

Job No.: CECTC/GE/Ward No.16/2019-20

Date: 20.08.2020

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.
AGENCY	:	**M/s. Green Energy Technologies, Smt. Yashoda S,** Contractor, Bangalore.
NAME OF THE WORK	:	Providing C C Camera at Garbage Block Spots in Ward no.16
REFRENCE	:	EE/RRND/Wo. No/76/2017-18 Dated:08.08.2017
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	170 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	380 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.00 %	-

Information is furnished by the Agency

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 90 days from the date of issue.

For Civil Experts

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174, Sri Ramps Complex, Amrutha Nagar Main Road, New Bank Colony, Kamakshipalya, Bengaluru
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Job No.: CECTC/GE/Ward No.16/2019-20

Date : 20.08.2020

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.
Agency : **M/s. Green Energy Technologies, Smt. Yashoda S,** Contractor, Bangalore.
Name of Work : Providing C C Camera at Garbage Block Spots in Ward no.16
Refrence : EE/RRND/Wo. No/76/2017-18 Dated:08.08.2017
Date of Testing : 20.08.2020
Material : Sand

Total Wt. of Aggregates **1500**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	98	6.53	6.53	93.5	90-100
2.36	132	8.80	15.33	84.7	75-100
1.18	278	18.53	33.87	66.1	55-90
600 Micron	256	17.07	50.93	49.1	35-59
300 Micron	384	25.60	76.53	23.5	8-30
150 Micron	312	20.80	97.33	2.7	0-10

Information is furnished by the Agency

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3. Any Query regarding the report must be reported within 15 days from date of testing

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Job No.: CECTC/GE/Ward No.16/2019-20

Date : 20.08.2020

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.
Agency : **M/s. Green Energy Technologies, Smt. Yashoda S,** Contractor, Bangalore.
Name of Work : Providing C C Camera at Garbage Block Spots in Ward no.16
Refrence : EE/RRND/Wo. No/76/2017-18 Dated:08.08.2017
Date of Testing : 20.08.2020
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	512	3.41	3.41	96.59	95-100
20	8514	56.76	60.17	39.83	30-70
10	3216	21.44	81.61	18.39	10-35
4.75	2389	15.93	97.54	2.46	0-5

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Job No.: CECTC/GE/Ward No.16/2019-20

Date : 20.08.2020

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.
Agency : **M/s. Green Energy Technologies, Smt. Yashoda S,** Contractor, Bangalore.
Name of Work : Providing C C Camera at Garbage Block Spots in Ward no.16
Refrence : EE/RRND/Wo. No/76/2017-18 Dated:08.08.2017
Date of Testing : 20.08.2020
Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	167	3.3	3.3	96.7	95-100
10	2942	58.8	62.2	37.8	25-55
4.75	1683	33.7	95.8	4.2	0-10

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Job No.: CECTC/GE/Ward No.16/2019-20

Date: 18.09.2020

TEST REPORT ON CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.
Agency	: **M/s. Green Energy Technologies, Smt. Yashoda S,** Contractor, Bangalore.
Name of Work	: Providing C C Camera at Garbage Block Spots in Ward no.16
Refrence	: EE/RRND/Wo. No/76/2017-18 Dated:08.08.2017
Sample ID	: Reinforced Cement Concrete
Location	: Concrete for Holding Pipe
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M20
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.08.2020	18.09.2020	8.256	501.2	22.28
2	21.08.2020	18.09.2020	8.154	535.6	23.80
3	21.08.2020	18.09.2020	8.179	488.2	21.70

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